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Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No.: CECTC/NCC/QC/2022-23 Date: 18.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1125 to 1173
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	18.05.2022	8.480	1125.3	50.01
2	20.04.2022	18.05.2022	8.498	1210.2	53.79
3	20.04.2022	18.05.2022	8.478	1189.8	52.88

Note:
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NCC LIMITED BANGALORE

For Civil Experts

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Authorised Signature

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Job No.: CECTC/NCC/QC/2022-23 Date: 29.04.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1173 to 1237
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.04.2022	29.04.2022	8.274	896.2	39.83
2	22.04.2022	29.04.2022	8.269	810.2	36.01
3	22.04.2022	29.04.2022	8.279	784.2	34.85

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Job No.: CECTC/NCC/QC/2022-23

Date: 20.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1173 to 1237
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.04.2022	20.05.2022	8.402	1247.6	55.45
2	22.04.2022	20.05.2022	8.490	1142.7	50.79
3	22.04.2022	20.05.2022	8.498	1065.3	47.35

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Job No.: CECTC/NCC/QC/2022-23 Date: 02.05.2022

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limited**
Name of the work : White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location : Dairy Circle junction to chikkabommasandra junction Ch:1237 to 1284
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516(Part-1/sec-1):2021
Grade of Concrete : M_{40}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.04.2022	02.05.2022	8.296	784.3	34.86
2	25.04.2022	02.05.2022	8.296	821.3	36.50
3	25.04.2022	02.05.2022	8.298	801.3	35.61

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Job No.: CECTC/NCC/QC/2022-23

Date: 23.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1237 to 1284
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.04.2022	23.05.2022	8.498	1078.3	47.92
2	25.04.2022	23.05.2022	8.478	1125.8	50.04
3	25.04.2022	23.05.2022	8.496	1189.4	52.86

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Job No.: CECTC/NCC/QC/2022-23 Date: 12.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1364 to 1436
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.05.2022	12.05.2022	8.274	845.3	37.57
2	05.05.2022	12.05.2022	8.000	802.3	35.66
3	05.05.2022	12.05.2022	8.278	862.5	38.33

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Job No.: CECTC/NCC/QC/2022-23 Date: 02.06.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1364 to 1436
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.05.2022	02.06.2022	8.502	1145.0	50.89
2	05.05.2022	02.06.2022	8.498	1258.0	55.91
3	05.05.2022	02.06.2022	8.463	1201.0	53.38

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Job No.: CECTC/NCC/QC/2022-23 Date: 29.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1631 to 1678
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.05.2022	29.05.2022	8.279	902.3	40.10
2	22.05.2022	29.05.2022	8.263	814.2	36.19
3	22.05.2022	29.05.2022	8.278	865.3	38.46

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Job No.: CECTC/NCC/QC/2022-23 Date: 19.06.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1631 to 1678
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.05.2022	19.06.2022	8.596	1174.9	52.22
2	22.05.2022	19.06.2022	8.574	1235.5	54.91
3	22.05.2022	19.06.2022	8.563	1098.0	48.80

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Job No.: CECTC/NCC/QC/2022-23 Date: 30.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1678 to 1739
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2022	30.05.2022	8.302	844.4	37.53
2	23.05.2022	30.05.2022	8.336	910.2	40.45
3	23.05.2022	30.05.2022	8.374	915.6	40.69

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Job No.: CECTC/NCC/QC/2022-23 Date: 20.06.2022

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limited**
Name of the work : White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location : Dairy Circle junction to chikkabommasandra junction Ch:1678 to 1739
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516(Part-1/sec-1):2021
Grade of Concrete : M_{40}
Compressive Strength as on : 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2022	20.06.2022	8.489	1147.0	50.98
2	23.05.2022	20.06.2022	8.452	1085.0	48.22
3	23.05.2022	20.06.2022	8.463	1174.0	52.18

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Job No.: CECTC/NCC/QC/2022-23 Date: 01.06.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1759 to 1814
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.05.2022	01.06.2022	8.302	854.3	37.97
2	25.05.2022	01.06.2022	8.336	821.3	36.50
3	25.05.2022	01.06.2022	8.374	854.8	37.99

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Job No.: CECTC/NCC/QC/2022-23 Date: 22.06.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1759 to 1814
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.05.2022	22.06.2022	8.502	1145.3	50.90
2	25.05.2022	22.06.2022	8.516	1218.8	54.17
3	25.05.2022	22.06.2022	8.574	1263.8	56.17

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Job No.: CECTC/NCC/QC/2022-23 Date: 18.05.2022

TEST REPORT ON FLEXURAL STRENGTH OF BEAMS

Client	**: Bruhath Bangaluru Mahanagara Palike.**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1125 to 1173
Sample ID	: concrete beams
Size of Beams	: 750mmx150mmx150mm
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of Beams (Kg)	Maximum load (KN)	Flexural Strength (N/mm^2)	Average Flexural Strength (N/mm^2)
1	20.04.2022	18.05.2022	38.96	27.62	4.91	5.2
2	20.04.2022	18.05.2022	39.63	30.50	5.42	
3	20.04.2022	18.05.2022	37.52	30.01	5.33	

Note:

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For Civil Experts

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
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Job No.: CECTC/NCC/QC/2022-23 Date: 20.05.2022

TEST REPORT ON FLEXURAL STRENGTH OF BEAMS

Client	**: Bruhath Bangaluru Mahanagara Palike.**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1173 to 1237
Sample ID	: concrete beams
Size of Beams	: 750mmx150mmx150mm
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of Beams (Kg)	Maximum load (KN)	Flexural Strength (N/mm^2)	Average Flexural Strength (N/mm^2)
1	22.04.2022	20.05.2022	37.26	27.81	4.94	4.9
2	22.04.2022	20.05.2022	38.26	26.36	4.68	
3	22.04.2022	20.05.2022	39.32	28.35	5.04	

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Job No.: CECTC/NCC/QC/2022-23

Date: 27.05.2022

TEST REPORT ON FLEXURAL STRENGTH OF BEAMS

Client : **Bruhath Bangaluru Mahanagara Palike.**
Agency : **NCC Limited**
Name of the work : White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location : Dairy Circle junction to chikkabommasandra junction Ch:1304 to 1351
Sample ID : concrete beams
Size of Beams : 750mmx150mmx150mm
Technical Reference : IS: 516(Part-1/sec-1):2021
Grade of Concrete : M_{40}
Compressive Strength as on : 28 days

Sl.No.	Date of casting	Date of testing	Weight of Beams (Kg)	Maximum load (KN)	Flexural Strength (N/mm^2)	Average Flexural Strength (N/mm^2)
1	29.04.2022	27.05.2022	35.36	31.60	5.61	5.4
2	29.04.2022	27.05.2022	32.34	31.05	5.52	
3	29.04.2022	27.05.2022	36.66	28.80	5.12	

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NCC LIMITED BANGALORE

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Job No.: CECTC/NCC/QC/2022-23 Date: 27.05.2022

TEST REPORT ON FLEXURAL STRENGTH OF BEAMS

Client	**: Bruhath Bangaluru Mahanagara Palike.**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1365 to 1436
Sample ID	: concrete beams
Size of Beams	: 750mmx150mmx150mm
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of Beams (Kg)	Maximum load (KN)	Flexural Strength (N/mm^2)	Average Flexural Strength (N/mm^2)
1	05.05.2022	27.05.2022	37.22	31.40	5.58	5.3
2	05.05.2022	27.05.2022	39.40	29.90	5.31	
3	05.05.2022	27.05.2022	35.26	28.10	4.99	

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Job No.: CECTC/NCC/QC/2022-23 Date: 18.06.2022

TEST REPORT ON FLEXURAL STRENGTH OF BEAMS

Client	**: Bruhath Bangaluru Mahanagara Palike.**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1631 to 1678
Sample ID	: concrete beams
Size of Beams	: 750mmx150mmx150mm
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of Beams (Kg)	Maximum load (KN)	Flexural Strength (N/mm^2)	Average Flexural Strength (N/mm^2)
1	21.05.2022	18.06.2022	34.32	26.62	4.73	4.9
2	21.05.2022	18.06.2022	33.65	27.81	4.94	
3	21.05.2022	18.06.2022	36.13	28.39	5.04	

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Job No.: CECTC/NCC/QC/2022-23 Date: 22.06.2022

TEST REPORT ON FLEXURAL STRENGTH OF BEAMS

Client	**: Bruhath Bangaluru Mahanagara Palike.**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1759 to 1814
Sample ID	: concrete beams
Size of Beams	: 750mmx150mmx150mm
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of Beams (Kg)	Maximum load (KN)	Flexural Strength (N/mm^2)	Average Flexural Strength (N/mm^2)
1	25.05.2022	22.06.2022	30.06	27.80	4.94	5.0
2	25.05.2022	22.06.2022	34.22	28.12	4.99	
3	25.05.2022	22.06.2022	33.20	28.30	5.03	

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Job No.: CECTC/NCC/QC/2022-23 Date: 06.07.2022

TEST REPORT ON FLEXURAL STRENGTH OF BEAMS

Client	**: Bruhath Bangaluru Mahanagara Palike.**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1892 to 1952
Sample ID	: Concrete beams
Size of Beams	: 750mmx150mmx150mm
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of Beams (Kg)	Maximum load (KN)	Flexural Strength (N/mm^2)	Average Flexural Strength (N/mm^2)
1	08.06.2022	06.07.2022	38.65	26.87	4.77	5.0
2	08.06.2022	06.07.2022	38.00	30.59	5.43	
3	08.06.2022	06.07.2022	37.61	26.51	4.71	

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